



Technical Characteristics:

Electronic Device K800-Tech

- **Power Supply:** 100-240 Vac 50/60 Hz, 15Watt (Class 1 Electrical Insulation)
- **System duration:** 24 hours a day, 7 days a week for 5 years
- **Operating temperature:** 0 to 40°C, relative humidity 0 to 95% (without condensation)
- **Data display:** 240 x 128 pixel display with backlight .
- **Keyboard:** 7 Keys
- **Cable connections:** Dual row connectors
- **Relays:**
 - Six (250 Vac 7 A); four 100 to 240V Power relays and two dry contact relays
 - Output Modules associated with the chemical measurements:
 - 2 channel current output, 0/4 to 20mA, 500 Ohm maximum load (precision ± 0.01 mA)
 - 2 channel Frequency Output (Open Collector NPN/PNP) 0 to 120 pulses per minute (precision 0.016 Hz)
- **Input Modules:**
 - Flow (pull up) (input for Reed sensor)
 - Hold
 - Data transmission modules:
 - RS485 Serial Port (ModBus Standard Protocol)
- Modules integrated upon the mother board:
- Clock module with backup battery

By pass probe holder PSS-Plexi:

- In/Out: 8x12 mm (tube)
- Material: Plexiglas color less
- Hydraulic: By Pass model
- Pressure 5 bar
- Temperature 60°C

Dosing pumps:

- Tekna AKS 603

Features:

- New box design, with increased instrument protection
- Graphic display 5" (240x128 pixel) for easier reading
- Control unit with full parameter access for complete monitoring
- Communication via Serial Port RS485 by Modbus RTU/Asciiprotocol for remote control interface
- Control unit has galvanized electrical and measuring insulation to ensure reliable performance
- Easy to set parameters for quick technical overview
- Multiple language menu for flexible operator interface
- Universal Power Supply 100-240 Vac 50/60 Hz 20 Watt for high technical performance
- CE/UL compliant to ensure full health and safety compliance

CONTROL UNIT CONTROLLER

KONTROL GUARD Fort SERIES



KEY CODE

| 1, 2,3 | Family | | | | | |
|--------|---|---|------------------------------|----|---|----|
| KPS | Kontrol Panel for Swimming Pool or Drinking Water | | | | | |
| | 4, 5 | Function | | | | |
| | 01 | pH and Redox | | | | |
| | 02 | pH and Free Chlorine (Amperometric Cell) | | | | |
| | 03 | pH, Redox and Free Chlorine (Amperometric Cell) | | | | |
| | 04 | Free Chlorine (Amperometric Cell) | | | | |
| | XX | pH+Redox with PSS8 probe holder | | | | |
| | | 6 | Probe Holder | | | |
| | | | PSS-Plexi | | | |
| | | | Pss-8 | | | |
| | | 7 | Power Supply | | | |
| | | | 100÷240 Vac | | | |
| | | 8, 9 | Layout | | | |
| | | | Standard (no dosing pump) | | | |
| | | | Tekna AKS (solenoid pump) | | | |
| | | | Kompact AMS (solenoid pump) | | | |
| | | | Kronos 10 (peristaltic pump) | | | |
| | | 10 | Skid | | | |
| | | | Panel with LCD display | | | |
| | | | Panel with Graphic display | | | |
| | | | Cabinet with LCD display | | | |
| | | | Cabinet with Graphic display | | | |
| | | 11,12 | Customization | | | |
| | | | Standard | | | |
| KPS | 02 | P | M | 00 | G | 00 |

RESUME TABLE

| | pH | ORP | Temperature | Chlorine amperometric cell |
|-------|----|-----|-------------|----------------------------|
| KPSXX | • | • | • | |
| KPS02 | • | | • | • |

Measurement Ranges

| | Code | Description | Accuracy |
|---|----------------------|-------------------------------|----------|
| • | pH | 0 ÷14,00 pH | ±0,01pH |
| • | ORP | ± 2000 mV | ±1 mV |
| • | Chlorine (Amp. Cell) | 0÷5,00 ppm | ±1%(1*) |
| • | Temperature | 0÷100°C (+32÷+212 °F ±0,4°F) | ±0,2°C |

(1*) accuracy of measuring point
(2*) Set by software following unit measures: l/s, l/m, l/h, m³/h, GPM.

DIMENSIONS

